

### **AMENDMENT TO THE ABSTRACT:**

A method of transmit power adjustment in multitone communication systems.—For a power spectral density (PSD)  $P(i)$  expressed in terms of  $\text{dBm}/[\text{Hz}]$  where  $i$  indexes subchannels of the multitone systems and for each subchannel  $i$  changing  $P(i)$  to the minimum of  $P(i)$  and  $P_{\text{max}} - \text{PCB}$  where  $P_{\text{max}}$  is the maximum of the  $P(i)$  and  $\text{PCB}$  is a Power CutBack level in terms of  $\text{dB}$  is performed by changing a power spectral density for each subchannel  $k$  the power spectral density to the minimum of the power spectral density and a maximum of the power spectral density  $\text{REFPSD}(k) = \min(\text{NOMPSD}(k), \text{NOMPSD} - \text{PCB})$  where  $\text{REFPSD}(k)$  is the transmitted PSD at tone  $k$ ,  $\text{NOMPSD}(k)$  is the maximum transmit PSD allowed at each tone  $k$ ,  $\text{NOMPSD}$  is the maximum value of  $\text{NOMPSD}(k)$  over all  $k$  and  $\text{PCB}$  is a power cutback level.